SAXONMATH

Lesson 61 · Sequences

Power Up

- Facts
- Mental Math
- Problem Solving

New Concepts

- Examples
- Practice Set

Written Practice







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Facts Express each percent as a reduced fraction.					
1% =	<u>1</u> 100	100% = 1	$50\% = \frac{1}{2}$	$70\% = \frac{7}{10}$	$20\% = \frac{1}{5}$
150% =	= 1 <u>1</u> 2	$66\frac{2}{3}\% = \frac{2}{3}$	$5\% = \frac{1}{20}$	$12\frac{1}{2}\% = \frac{1}{8}$	$90\% = \frac{9}{10}$
25% =	$=\frac{1}{4}$	$2\% = \frac{1}{50}$	$10\% = \frac{1}{10}$	$33\frac{1}{3}\% = \frac{1}{3}$	$4\% = \frac{1}{25}$
40% =	$=\frac{2}{5}$	$16\frac{2}{3}\% = \frac{1}{6}$	$75\% = \frac{3}{4}$	$30\% = \frac{3}{10}$	$80\% = \frac{4}{5}$





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Written Practice

- 1. 77,000 pairs of white shoes
- **2.** \$213
- **3.** \$167
- 4. mean: 60, median: 56, mode: 56
- 5. $x = 108^{\circ}$
- 6. Sample answer: A solution is a pair of values for *x* and *y* that make the equation a true statement. I could substitute −4 and −1 for *x* and *y* and check if the resulting statement is true.
- 7. The surface area of the walls of the house is 1440 ft².
- 8. a. 28.26 in.²
 - b. 18.84 in.







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Written Practice

continued

9.
$$\frac{3}{2}$$
; $m = 4.5$

10.
$$x = 0.5$$

11.
$$x = 445$$

12.
$$x = 6$$

13.
$$x = 5$$

14.
$$x = \frac{5}{3}$$

15.
$$x = 5$$

16.
$$\frac{2.5 \text{ in}}{\text{yr}}$$

17. 54 in.
$$\times \frac{1 \text{ ft}}{12 \text{ in.}} = 4.5 \text{ ft or } 4\frac{1}{2} \text{ ft}$$

18.
$$x^2 + 5x + 5$$

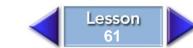
b. See student work. Sample response: 17% of the customers registered for the discount card.

20. a.
$$y = x - 1$$

20. a.
$$y = x - 1$$

b. $y = -\frac{3}{4}x - 3$

22.
$$-6\frac{1}{3}$$





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Written Practice

continued

23. $\frac{u}{t}$

24. 108

25. D

Main Menu



